

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



## Nutriforest® 9-23-14

Version: 1.3  
Date of last issue: 23.12.2022  
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06.04.2023

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Nutriforest® 9-23-14

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Fertilizer

#### 1.3 Details of the supplier of the safety data sheet

Company : COMPO EXPERT GmbH  
Krögerweg 10  
D-48155 Münster

Telephone : +49 (0) 251 29 79 81 – 000

Telefax : +49 (0) 251 29 79 81 - 111

E-mail address of person responsible for the SDS : info@compo-expert.com

#### 1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h  
Telephone: +49 (0) 6132 - 84463

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Supplemental Hazard Statements : EUH210 Safety data sheet available on request.

#### 2.3 Other hazards

None known.

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### SECTION 3: Composition/information on ingredients

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### 3.2 Mixtures

Chemical nature : Fertilizer  
fertilizer contains:  
Diammonium hydrogenorthophosphate  
potassium sulphate  
magnesium sulphate  
plastic coats

#### Hazardous components

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Take off immediately all contaminated clothing.

If inhaled : Keep patient calm, remove to fresh air, seek medical attention.  
If unconscious place in recovery position and seek medical advice.

In case of skin contact : Wash thoroughly with soap and water.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : If product is involved in fire: water, water spray, dry extinguishing media.

Unsuitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Foam  
Sand  
ABC powder

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### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Can decompose at above 130 °C. Thermal decomposition products: Nitrogen monoxide, nitrogen dioxide, dinitrogen oxide, ammonia, chloride, hydrogen chloride.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid contact with skin, eyes and clothing.

### 6.2 Environmental precautions

Environmental precautions : Do not empty into drains.  
Retain and dispose of contaminated wash water.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.

### 6.4 Reference to other sections

none

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : No special measures necessary if stored and handled as prescribed.

Advice on protection against fire and explosion : The product is not flammable.

Hygiene measures : At the end of the shift the skin should be cleaned and skin-care agents applied.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep away from heat. Keep away from sources of ignition - No smoking. Keep away from direct sunlight. Keep away from combustible material. Protect from contamination. Protect against humidity (product is hygroscopic and tends to cake or disintegrate)

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Storage class (TRGS 510) : 13, Non Combustible Solids

### 7.3 Specific end use(s)

Specific use(s) : Always read the label and product information before use.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

none

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection

Remarks : No special protective equipment required.

Skin and body protection : Wearing of closed work clothing is recommended.

Respiratory protection : respiratory protection only if aerosol or dust is formed.

#### Environmental exposure controls

General advice : Do not empty into drains.  
Retain and dispose of contaminated wash water.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : granular

Colour : off-white

Odour : ammoniacal

Odour Threshold : No data available

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|                                        |   |                                                                                                                   |
|----------------------------------------|---|-------------------------------------------------------------------------------------------------------------------|
| pH                                     | : | ca. 5, Concentration: 100 g/l (20 °C)                                                                             |
| Melting point/range                    | : | No data available                                                                                                 |
| Boiling point/boiling range            | : | No data available                                                                                                 |
| Flash point                            | : | Not applicable                                                                                                    |
| Evaporation rate                       | : | Not applicable                                                                                                    |
| Flammability (solid, gas)              | : | No data available                                                                                                 |
| Upper explosion limit                  | : | No data available                                                                                                 |
| Lower explosion limit                  | : | No data available                                                                                                 |
| Vapour pressure                        | : | Not applicable                                                                                                    |
| Relative vapour density                | : | Not applicable                                                                                                    |
| Bulk density                           | : | ca. 1.100 kg/m <sup>3</sup>                                                                                       |
| Solubility(ies)                        |   |                                                                                                                   |
| Water solubility                       | : | soluble                                                                                                           |
| Partition coefficient: n-octanol/water | : | Not applicable                                                                                                    |
| Auto-ignition temperature              | : | No data available                                                                                                 |
| Decomposition temperature              | : | ca. 130 °C<br>To avoid thermal decomposition, do not overheat.                                                    |
| Viscosity                              |   |                                                                                                                   |
| Viscosity, dynamic                     | : | Not applicable                                                                                                    |
| Viscosity, kinematic                   | : | Not applicable                                                                                                    |
| Explosive properties                   | : | Not explosive                                                                                                     |
| Oxidizing properties                   | : | Not considered an oxidizing substance                                                                             |
| <b>Particle characteristics</b>        |   |                                                                                                                   |
| Particle Size Distribution             | : | D50 = 3,2 mm<br>D50 Tolerance range = 2,8 mm - 3,6 mm<br>Measurement technique: Optoelectronic measurement method |

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### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable  
No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : None known.  
No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Temperature 130 degrees Celsius

### 10.5 Incompatible materials

Materials to avoid : substances with an acid reaction  
alkaline reactive substances  
When mixed with ignitable substances, oxidizable substances:  
Risk of explosion if heated under confinement.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Nitrose gases  
Evolution of ammonia under influence of alkalies.

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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

**Product:**

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

#### Skin corrosion/irritation

**Product:**

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Species: Rabbit  
Method: OECD Test Guideline 404  
Result: non-irritant

### Serious eye damage/eye irritation

**Product:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: non-irritant

### Respiratory or skin sensitisation

**Product:**

Result: Non-sensitising

### germ cell mutagenicity

**Product:**

Genotoxicity in vitro : Remarks: Contains no hazardous ingredients according to GHS

### Carcinogenicity

**Product:**

Remarks: Contains no ingredient listed as a carcinogen

### Reproductive toxicity

**Product:**

Effects on fertility :  
Remarks: Contains no ingredient listed as toxic to reproduction

Effects on foetal development : Remarks: Contains no ingredient listed as toxic to reproduction

### STOT - single exposure

**Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

**Product:**

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Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Aspiration hazard

Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available

### Experience with human exposure

#### Product:

General Information : Danger of methaemoglobin formation.

### Further information

#### Product:

Remarks: The product was not tested. The statement was derived from products of similar structure and composition.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

### 12.4 Mobility in soil

#### Product:



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Mobility : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : Remarks: Not applicable

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

**Product:**

Additional ecological information : There is a high probability that the product is acute not harmful to aquatic organisms.  
Additional ecological information  
The product has not been tested. The information is derived from the properties of the individual components.  
At higher pH values, which can be found in natural surface waters, an increase of toxic effects on aquatic organisms may be expected.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Check if agriculture use is possible.  
Contact manufacturer.

Contaminated packaging : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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## SECTION 14: Transport information

### 14.1 UN number or ID number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

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### 14.6 Special precautions for user

Not applicable

### 14.7 Maritime transport in bulk according to IMO instruments

Remarks : Not relevant

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class : WGK 1 slightly water endangering  
(Germany)

### 15.2 Chemical Safety Assessment

No data available

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## SECTION 16: Other information

### Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; DIN - Standard of the German Institute for Standardisation; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TRGS - Technical Rule for Hazardous Substances; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS -

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Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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